Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/31/2019 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125632	0	1.44	125704	1.44
Blue	F	SSC	125000	124385	-1	1.46	125168	1.43
Blue	E	FITC	16122	15872	-2	2.71	345	20.16
Blue	D	PE	29316	28977	-2	1.87	632	14.58
Blue	B	PerCP-Cy5-5	42590	42125	-2	3.57	1133	19.85
Blue	A	PE-Cy7	33146	33335	0	5.92	638	39.79
Red	C	APC	45473	44974	-2	2.38	1589	12.02
Red	A	APC-Cy7	31961	30852	-4	2.32	813	11.96
Violet	B	V450	7914	7420	-7	4.30	414	12.68
Violet	A	V500	29769	28519	-5	4.11	665	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21273	3.60	607	7	N/A	N/A	Pass
Blue	F	SSC	56504	1.02	551	13	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	3	0.0197	137	Pass
Blue	D	PE	133	48.86	542	5	0.1664	273	Pass
Blue	B	PerCP-Cy5-5	210	49.06	644	6	0.0096	81	Pass
Blue	A	PE-Cy7	119	99.47	698	7	0.0115	21	Pass
Red	C	APC	377	25.34	586	7	0.0250	172	Pass
Red	A	APC-Cy7	180	29.46	562	6	0.0057	1359	Pass
Violet	B	V450	62	58.01	467	7	0.0576	2046	Pass
Violet	A	V500	99	32.35	479	7	0.0238	668	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.05	-31.83	0.91
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.72	13.60 - 20.40	N/A	N/A	29.59	29.79	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12596

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments